

DOMAMID 6G50 300 BK

PA6-GF50

DOMO Engineering Plastics

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.4 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.1 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	17000 / 11100	MPa	ISO 527
Yield stress	215 / 145	MPa	ISO 527
Stress at break	220 / 145	MPa	ISO 527
Strain at break	2.5 / 4.4	%	ISO 527
Flexural modulus, 23°C	13300 / 8250	MPa	ISO 178
Charpy impact strength, +23°C	100 / 100	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	14 / 25	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	221 / *	°C	ISO 11357-1/-3
Other properties			
Density	1560 / -	kg/m ³	ISO 1183
Material specific properties			
ISO Data			
Viscosity number	145 / *	cm ³ /g	ISO 307, 1157, 1628
Processing Recommendation Injection Molding			
Pre-drying - Temperature	75 - 85	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	250 - 290	°C	-
Mold temperature	80 - 100	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Black